

Subject: New Radio Evaluation

Date Issued or Revised: Final May 16, 2006

Date Review: March 31, 2008

4.1.8 New Radio Evaluation

I. Subject and Purpose

It is our policy to accept qualified Project 25 (P25) radio equipment for use on the MPSCS. The Purpose of this policy is to define a set of criteria for testing and evaluating new subscriber equipment proposed for use on the MPSCS radio system. This is necessary as manufacturers are developing new Project 25 compatible radios with the intent on offering them to Local, State and Federal agencies for use on the MPSCS. These radios may inherently have different functional and operational characteristics such as power limits, roaming limits, configuration & programming, button schemes, security features, etc. that need to be evaluated and quantified. The process outlined below will facilitate the qualification of new subscriber equipment. The final decision for acceptance of equipment on the MPSCS will be made by the MPSCS Director.

II. Procedures and Guidelines

Responsibility Matrix

Responsibility	Action
Equipment Sponsor/Vendor	<ol style="list-style-type: none">1. Submit request for equipment testing to MPSCS Director.2. Project submitted to Project Manager for coordination with engineering, RPU and Field Services for equipment evaluation.
Project Manager	<ol style="list-style-type: none">1. Evaluate necessity for non-disclosure agreements.2. Coordinate conference calls and coordinate with vender.
Engineering	<ol style="list-style-type: none">1. Evaluate equipment performance, e.g. functionality in trunked and simulcast environment, system roaming, P25 standards, etc.2. Evaluate Software.3. Verify FCC type acceptance.4. Document results.
Field Service	<ol style="list-style-type: none">1. Bench Test equipment to verify specifications.2. Field test for performance.3. Review software functionality.4. Document Results.

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Responsibility	Action
Radio Programming Unit	<ol style="list-style-type: none">1. Evaluate software for ease of use, cost and security concerns.<ol style="list-style-type: none">a. Radio cloning (copying templates & ID's).b. Ability to manipulate options.c. Fit into MPSCS templating process.d. Fit into MPSCS interoperability plan.2. Develop programming standards.3. Document results.
MSP Training Section	<ol style="list-style-type: none">1. Work with RPU to develop programming standards and training assessment.2. Acquire radios for customer functionality test.3. Document results.4. Develop Training manuals.
Team Meeting	<ol style="list-style-type: none">1. Discuss documented results from each Section.2. Risk analysis and fit into MPSCS.3. Recommend or disapprove for use on MPSCS.4. Determine appropriate programming fee if applicable.5. Document results.
Project Manager	<ol style="list-style-type: none">1. Assess appropriate fee.2. Document recommendation to MPSCS Director for approval or non-approval of proposed equipment.3. Develop letter for Director's signature.

- III. Responsible Party
Project Manager
A. Contact for Questions
Project Manager
B. Phone, Fax and Email Addresses
517.336.6188; 517.336-6222 (Fax); shinewt@michigan.gov

- IV. Applicable Forms

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V. Termination or Review Responsibility
MPSCS Director

VI. Linkages to Other Relevant Data